PATENT COOPERATION TREATY

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY (Chapter I of the Patent Cooperation Treaty)

(PCT Rule 44bis)

Applicant's or agent's file reference 03M25W Khoobehi	FOR FURTHER ACTION	Sec item 4 below		
International application No. PCT/US2005/009185	International filing date (day/month/year) 18 March 2005 (18.03.2005)	Priority date (day/month/year) 19 March 2004 (19.03.2004)		
International Patent Classification (8th edition unless older edition indicated) See relevant information in Form PCT/ISA/237				
Applicant BOARD OF SUPERVISORS OF LOUISIANA STATE UNIVERSITY AND AGRICULTURAL AND MECHANICAL COLLEGE				

1.	 This international preliminary report on patentability (Chapter I) is issued by the International Bureau on behalf of the International Searching Authority under Rule 44 bis.1(a). 				
2.	This REPORT consists of a total of 4 sheets, including this cover sheet.				
	In the attached sheets, any reference to the written opinion of the International Searching Authority should be read as a reference to the international preliminary report on patentability (Chapter I) instead.				
3	This report contains indications relating to the following items:				
	Box No. I	Box No. I Basis of the report Box No. II Priority			
	Box No. II				
	Box No. III	Non-establishment of opinion with regard to novelty, inventive step and industrial applicability			
	Box No. IV	Lack of unity of invention			
	Box No. V	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement			
	Box No. VI	Certain documents cited			
	Box No. VII	Certain defects in the international application			
	Box No. VIII	Certain observations on the international application			
4. The International Bureau will communicate this report to designated Offices in accordance with Rules 44bis.3(c) and 93bis.1 but not, except where the applicant makes an express request under Article 23(2), before the expiration of 30 months from the priority date (Rule 44bis.2).					
Date of issuance of this report 19 September 2006 (19.09.2006)					
The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland		ombettes	Authorized officer Beate Giffo-Schmitt		
	Facsimile No. +41 22 338 82 70 e-mail: pt03@wipo.int				
Form PCT/IB/373 (January 2004)					

PATENT COOPERATION TREATY From the REC'D 17 NOV 2005 INTERNATIONAL SEARCHING AUTHORITY WIPO BONNIE J. DAVIS TAYLOR, PORTER, BROOKS & PHILLIPS L.L.P. P.O. BOX 2471 WRITTEN OPINION OF THE BATON ROUGE, LA 70821-2471 INTERNATIONAL SEARCHING AUTHORITY (PCT Rule 43bis.1) Date of mailing 15 NOV 2005 (day/month/year) FOR FURTHER ACTION Applicant's or agent's file reference See paragraph 2 below 03M25W KHOOB Priority date (day/month/year) International filing date (day/month/year) International application No. 19 March 2004 (19.03.2004) 18 March 2005 (18.03.2005) International Patent Classification (IPC) or both national classification and IPC IPC(7): A61B 6/00 and US Cl.: 600/476 Applicant BOARD OF SUPERVISORS OF LOUISIANA STATE UNIVERSITY AND AGRICULTURAL AND MECHANICAL COLLEGE 1. This opinion contains indications relating to the following items: Basis of the opinion Box No. I Box No. II Priority Non-establishment of opinion with regard to novelty, inventive step and industrial applicability Box No. III Lack of unity of invention Box No. IV Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial Box No. V applicability; citations and explanations supporting such statement Certain documents cited Box No. VI Certain defects in the international application Box No. VII Certain observations on the international application Box No. VIII 2. FURTHER ACTION If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered. If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later. For further options, see Form PCT/ISA/220. 3. For further details, see notes to Form PCT/ISA/220. Date of completion of this opinion Name and mailing address of the ISA/ US

21 September 2005 (21.09.2005)

Aaisakh

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Alexandria, Virginia 22313-1450
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Form PCT/ISA/237 (cover sheet) (April 2005)

Mail Stop PCT, Attn: ISA/US

Commissioner for Patents

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/US05/09185

Box No. I · Basis of this opinion				
1 With	regard to the language, this opinion has been established on the basis of:			
	-			
	a translation of the international application into, which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b)).			
2. With inver	regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed tion, this opinion has been established on the basis of:			
В.	type of material			
	a sequence listing			
	table(s) related to the sequence listing			
ъ.	format of material			
	on paper			
	in electronic form			
С.	time of filing/furnishing			
	contained in the international application as filed.			
	filed together with the international application in electronic form.			
	furnished subsequently to this Authority for the purposes of search.			
3.	In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.			
4. Add	itional comments:			
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Form PCT/ISA/237(Box No. I) (April 2005)

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/US05/09185

YES

NO

Box No. V Reasoned statement under Rule 43 bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)

Claims NONE

Liventive step (IS)

Claims NONE

YES

Claims 1-13

NO

YES

Industrial applicability (IA) Claims 1-13
Claims NONE

2. Citations and explanations:

Claims 1-13 lack novelty under PCT Article 33(2) as being anticipated by Jacques et al. (5353790). Jacques et al. disclose a method for determining hemoglobin oxygen saturation in a tissue in vivo by measuring the visible reflectance spectrum or the visible absorbance spectrum of the tissue over a portion of the range of wavelength between 530 nm and 584 nm (abstract, fig. 1, col. 2 lines 40-68, col. 3-4, col. 10 lines 42-57, col. 41 lines 28-67).

Claims 1-13 meet the criteria set out in PCT Article 33(4), and thus have industrial applicability because the subject matter claimed can be made or used in industry.

Form PCT/ISA/237 (Box No. V) (April 2005)

10/593,175

	TENT COOPE	RATION TREA	XTY		
From the INTERNATIONAL SEARCHING AUTHORIT	ſΥ			REC'D 17	NOV 2005
To: BONNIE I. DAVIS TAYLOR, PORTER, BROOKS & PHILLIPS	L.L.P.			WIPO	PC
P.O. BOX 2471 BATON ROUGE, LA 70821-2471		WRI INTERNATIO	TTEN OPINIC NAL SEARCH	ON OF THE IING AUTHO	ORITY
			(PCT Rule 43	,	
		Date of mailing (day/month/year))V 2005_	
Applicant's or agent's file reference 03M25W KHOOB		FOR FURTHER	See paragraph 2 be		
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International Patent Classification (IPC) or bo	oth national classifica	tion and IPC			
IPC(7): A61B 6/00 and US Cl.: 600/476 Applicant					
BOARD OF SUPERVISORS OF LOUISIAN	NA STATE UNIVER	SITY AND AGRICU	TURAL AND M	ECHANICAL C	OLLEGE
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If this opinion is, as provided above, IPEA a written reply together, where a of Form PCT/ISA/220 or before the expension of Form PCT/ISA/220 or before the expension of Form PCT/ISA/220 or before the expension of Form PCT/ISA/220 or FORM PCT/ISA/	piration of 22 months				ubmit to the e of mailing
For further options, see Form PCT/ISA/220.					
3. For further details, see notes to Form P	CT/ISA/220.		A .		
Name and mailing address of the ISA/ US	Date of com	pletion of this opinion	Authorized offi	412	
Mail Stop PCT, Attn: ISA/US Commissioner for Patents	21 September	er 2005 (21.09.2005)	Raisakhi Roy	A >	
P.O. Box 1450 Alexandria, Virginia 22313-1450 Facsimile No. (703) 305-3230			Telaphone No.	571-272-7139	

Form PCT/ISA/237 (cover sheet) (April 2005)

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.
PCT/US05/09185

Box No. I · Basis of this opinion					
1. With regard to the language, this opinion has been established on the basis of:					
the international application in the language in which it was filed					
	a translation of the international application into, which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b)).				
2. With inver	With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:				
a.	type of material				
	a sequence listing				
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l	in electronic form				
c.	time of filing/furnishing				
	contained in the international application as filed.				
	filed together with the international application in electronic form.				
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3. In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.					
4. Add	litional comments:				
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Form PCT/ISA/237(Box No. I) (April 2005)

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/US05/09185

Box No. V Reasoned statement under Rule 43 bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement			
1. Statement			
Novelty (N)	Claims NONE	YES	
Novely (1)	Claims 1-13	NO	
Inventive step (IS)	Claims NONE	YES	
mivelia ve stop (as)	Claims 1-13	NO	
Industrial applicability (IA)	Claims 1-13	YES	
madania approduction (= -)	Claims NONE	NO	

2. Citations and explanations:

Claims 1-13 lack novelty under PCT Article 33(2) as being anticipated by Jacques et al. (5353790). Jacques et al. disclose a method for determining hemoglobin oxygen saturation in a tissue in vivo by measuring the visible reflectance spectrum or the visible absorbance spectrum of the tissue over a portion of the range of wavelength between 530 mm and 584 nm (abstract, fig. 1, col. 2 lines 40-68, col. 3-10 lines 42.57, col. 41 lines 28.67). 4, col. 10 lines 42-57, col. 41 lines 28-67).

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